

As you do this, my friends, remember that when a Russian graduate from high school he has had five years of physics, four years of chemistry, one year of astronomy, five years of biology, ten years of mathematics through trigonometry, and five years of a foreign language.

Young people now in college must be equipped to live in the age of intercontinental ballistic missiles. However, what will then be needed is not just engineers and scientists, but a people who will keep their heads and, in every field, leaders who can meet intricate human problems with wisdom and courage. In short, we will need not only Einsteins and Steinmetzes, but Washingtons, and Emersons.

Another long-term concern is for even greater concentration on basic research -- that is, the kind that unlocks the secrets of nature and prepares the way for such great break-throughs as atomic fission, electronics and antibiotics.

At present, our basic research, compared with any other country's, is considerably greater in quantity and certainly equal in quality.

The warning lies in the fast rate of increase of the Soviet effort, and their obvious determination to concentrate heavily on basic research.

The world will witness future discoveries even more startling than that of nuclear fission. The question is: Will we be the ones to make them?

Here again money cannot do everything. You cannot say to a research worker, "Your salary is tripled; get busy now and produce three times as many basic discoveries."

But wise investment in such facilities as laboratories and high-energy accelerators can greatly increase the efficiency of our scientists.

The government is stepping up its basic research programs. But, with 70 percent of research expenditures, the biggest share of the job is in the hands of industry and private organizations.

Right here in Oklahoma City you have established a superb mechanism for the mobilization of needed resources to strengthen our pursuit of scientific knowledge. It is the Frontiers of Science Foundation.

Today I had the great privilege of a few minutes' visit with Dr. Harlow and with about half a dozen of his bright youngsters. I congratulate you on them, and on the institution. You have every reason to be proud of both and I hope other States will follow your example.

And now one final word: The goal we seek is peace with justice. This can come to our nation only as it comes to all nations. The world's hope is that the Soviets will cooperate with all the rest of us in achieving this goal. Our defense effort, large as it is, goes only far enough to deter and defeat attack.

We will never be an aggressor. We want adequate security. We want no more than adequacy. But we will accept nothing less.

My friends, it has always been my faith that eventual triumph of decency and freedom and right in this world is inevitable.

But, as a wise American once observed, it takes a lot of hard work and sacrifice by a lot of people to bring about the inevitable.

Thank you very much and good night